

SEQUENCE LISTING

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Nilsson, Magnus
Morrison, Veronique

<120> Cysteine Protease Inhibitors

<130> 1718-0208P

<140>

<141> 2003-10-03

<160> 4

<170> PatentIn version 3.1

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<212> DNA

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<223> Primer for cDNA of cysteinyl proteinase (Falcipain 2)

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39

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sequence of cysteinyl proteinase (Falcipain 2)

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aac aaa tat ctt agt tta aga tct tca aaa cca tta aag aat tct aaa	95
Asn Lys Tyr Leu Ser Leu Arg Ser Ser Lys Pro Leu Lys Asn Ser Lys	
20 25 30	
tat tta tta gat caa atg aat tat gaa gaa gtt ata aaa aaa tat aga	143
Tyr Leu Leu Asp Gln Met Asn Tyr Glu Glu Val Ile Lys Lys Tyr Arg	
35 40 45	
gga gaa gaa aat ttc gat cat gca gct tac gac tgg aga tta cac agt	191
Gly Glu Glu Asn Phe Asp His Ala Ala Tyr Asp Trp Arg Leu His Ser	
50 55 60	
ggt gta aca cct gta aag gat caa aaa aat tgt gga tct tgc tgg gcc	239
Gly Val Thr Pro Val Lys Asp Gln Lys Asn Cys Gly Ser Cys Trp Ala	
65 70 75	
ttt agt agt ata ggt tcc gta gaa tca caa tat gct atc aga aaa aat	287
Phe Ser Ser Ile Gly Ser Val Glu Ser Gln Tyr Ala Ile Arg Lys Asn	
80 85 90 95	
aaa tta ata acc tta agt gaa caa gaa tta gta gat tgt tca ttt aaa	335
Lys Leu Ile Thr Leu Ser Glu Gln Glu Leu Val Asp Cys Ser Phe Lys	
100 105 110	
aat tat ggt tgt aat gga ggt ctc att aat aat gcc ttt gag gat atg	383
Asn Tyr Gly Cys Asn Gly Gly Leu Ile Asn Asn Ala Phe Glu Asp Met	
115 120 125	
att gaa ctt gga ggt ata tgt cca gat ggt gat tat cca tat gtg agt	431
Ile Glu Leu Gly Gly Ile Cys Pro Asp Gly Asp Tyr Pro Tyr Val Ser	
130 135 140	
gat gct cca aat tta tgt aac ata gat aga tgt act gaa aaa tat gga	479
Asp Ala Pro Asn Leu Cys Asn Ile Asp Arg Cys Thr Glu Lys Tyr Gly	
145 150 155	
atc aaa aat tat tta tcc gta cca gat aat aaa tta aaa gaa gca ctt	527
Ile Lys Asn Tyr Leu Ser Val Pro Asp Asn Lys Leu Lys Glu Ala Leu	
160 165 170 175	
aga ttc ttg gga cct att agt att agt gta gcc gta tca gat gat ttt	575
Arg Phe Leu Gly Pro Ile Ser Ile Ser Val Ala Val Ser Asp Asp Phe	
180 185 190	
gct ttt tac aaa gaa ggt att ttc gat gga gaa tgt ggt gat gaa tta	623
Ala Phe Tyr Lys Glu Gly Ile Phe Asp Gly Glu Cys Gly Asp Glu Leu	
195 200 205	
aat cat gcc gtt atg ctt gta ggt ttt ggt atg aaa gaa att gtt aat	671
Asn His Ala Val Met Leu Val Gly Phe Gly Met Lys Glu Ile Val Asn	
210 215 220	

cca tta acc aag aaa gga gaa aaa cat tat tat tat ata att aag aac	719
Pro Leu Thr Lys Lys Gly Glu Lys His Tyr Tyr Tyr Ile Ile Lys Asn	
225 230 235	

tca tgg gga caa caa tgg gga gaa aga ggt ttc ata aat att gaa aca	767
Ser Trp Gly Gln Gln Trp Gly Glu Arg Gly Phe Ile Asn Ile Glu Thr	
240 245 250 255	

gat gaa tca gga tta atg aga aaa tgt gga tta ggt act gat gca ttc	815
Asp Glu Ser Gly Leu Met Arg Lys Cys Gly Leu Gly Thr Asp Ala Phe	
260 265 270	

att cca tta att gaa cat cat cat cat cat cat taagtcgacg cgatcgaatt	868
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35 40 45

Glu Glu Asn Phe Asp His Ala Ala Tyr Asp Trp Arg Leu His Ser Gly
50 55 60

Val Thr Pro Val Lys Asp Gln Lys Asn Cys Gly Ser Cys Trp Ala Phe
65 70 75 80

Ser Ser Ile Gly Ser Val Glu Ser Gln Tyr Ala Ile Arg Lys Asn Lys
85 90 95

Leu Ile Thr Leu Ser Glu Gln Glu Leu Val Asp Cys Ser Phe Lys Asn
100 105 110

Tyr Gly Cys Asn Gly Gly Leu Ile Asn Asn Ala Phe Glu Asp Met Ile
115 120 125

Glu Leu Gly Gly Ile Cys Pro Asp Gly Asp Tyr Pro Tyr Val Ser Asp
130 135 140

Ala Pro Asn Leu Cys Asn Ile Asp Arg Cys Thr Glu Lys Tyr Gly Ile
145 150 155 160

Lys Asn Tyr Leu Ser Val Pro Asp Asn Lys Leu Lys Glu Ala Leu Arg
165 170 175

Phe Leu Gly Pro Ile Ser Ile Ser Val Ala Val Ser Asp Asp Phe Ala
180 185 190

Phe Tyr Lys Glu Gly Ile Phe Asp Gly Glu Cys Gly Asp Glu Leu Asn
195 200 205

His Ala Val Met Leu Val Gly Phe Gly Met Lys Glu Ile Val Asn Pro
210 215 220

Leu Thr Lys Lys Gly Glu Lys His Tyr Tyr Tyr Ile Ile Lys Asn Ser
225 230 235 240

Trp Gly Gln Gln Trp Gly Glu Arg Gly Phe Ile Asn Ile Glu Thr Asp
245 250 255

Glu Ser Gly Leu Met Arg Lys Cys Gly Leu Gly Thr Asp Ala Phe Ile
260 265 270

Pro Leu Ile Glu His His His His His His
275 280